1 YEAR LIMITED WARRANTY

Motorola, Inc. warrants the enclosed product against defects in material and workmanship under normal use and service for one (1) year provided it is returned in accordance with this warranty. If defective, the product will be repaired or replaced at Motorola's option, at no charge, with dated proof of purchase. This warranty does not cover defects or damage resulting from: misuse, improper operation, unauthorized modification, liquid, batteries, or normal wear and tear.

MOTOROLA IS NOT LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. HOWEVER, SOME STATES DO NOT ALLOW LIMITATIONS ON INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

For warranty information and service call 1-800-353-2729.

Copyright Information

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FCC License Not Required

FCC Information: Changes or modifications not expressly approved by Motorola may void the user's authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the users of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

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TalkAbout™ PLUS

MOTOROLA

⚠ CAUTION

Damaged Antennas

Do not use any radio that has a damaged antenna. If a damaged antenna comes in contact with the skin, a minor burn may result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects.

⚠ WARNING

For Vehicles With an Air Bag

Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to occupants of vehicle.

Potentially Explosive Atmospheres

Turn your radio OFF when in any area with a potentially explosive atmosphere, unless it is a type especially qualified for such use (for example, Factory Mutual Approved). Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Batteries

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn your radio OFF near electrical blasting caps or in a "blasting area" or in areas posted: "Turn off two-way radio". Obey all signs and instructions.

Note: Areas with potentially explosive atmospheres are often, but not always, clearly marked. They include fuelling areas such as below deck on boats, fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Troubleshooting

Problem	Solution
No Power	Reposition or replace batteries.
Message Not Transmitted	Make sure the Push-To-Talk button is completely pressed as you transmit. Reposition or replace batteries.
Message Not Received	Confirm radios have the same Channel and Interference Eliminator Code settings. Make sure Push-To-Talk is not inadvertently being pressed. Reposition or replace batteries. Obstructions, operating indoors or in vehicles may interfere with communication. Change your location. Check to make sure volume is turned up.
Hearing Other Conversation or Noise on a Channel	Confirm Interference Eliminator Code is set, (active settings are 1-38). Shared Channel or Interference Eliminator Code may be in use, try another.
Limited Talk Range	Steel/concrete structures, heavy foliage and use in buildings and in vehicles will decrease range, check for clear line of sight to improve transmission. Wearing radio close to body such as in a pocket or on a belt will decrease range, change location of radio.
Heavy Static or Interference	Radios too close. Radios must be at least 5 feet apart, increase your distance. Radios too far apart. Obstacles interfere with transmission. Talk range is up to 2 miles in clear, unobstructed conditions.

Motorola Product Services

If the radio still doesn't work properly, contact your place of purchase or call Motorola Product Services.

1-800-353-2729

Specifications

Description	Specs
Channels	14
Codes	38
Operating Frequency	UHF - 462.550 to 467.725 MHz
Talk Range	Up to 2 Miles
Power Source	3 AA Alkaline Batteries
Battery Life (talk time)	30 Hours (5/5/90 duty cycle)

Compander Feature: TalkAbout radios have a built-in voice compander that enhances the audio quality, creating crystal clear communications.

Channel Frequency Chart

Channel	MHz	Channel	MHz
1	462.5625	8	467.5625
2	462.5875	9	467.5875
3	462.6125	10	467.6125
4	462.6375	11	467.6375
5	462.6625	12	467.6625
6	462.6875	13	467.6875
7	462.7125	14	467.7125

Interference Eliminator Code Chart

TalkAbout Codes	Hz Frequency	Sport 7/7X Codes	TalkAbout Codes	Hz Frequency	Sport 7/7X Codes
1	67.0		20	131.8	
2	71.9		21	136.5	G
3	74.4		22	141.3	
4	77.0	A	23	146.2	
5	79.7		24	151.4	
6	82.5		25	156.7	
7	85.4		26	162.2	
8	88.5	B	27	167.9	
9	91.5		28	173.8	
10	94.8		29	179.9	
11	97.4	C	30	186.2	
12	100.0		31	192.8	
13	103.5		32	203.5	
14	107.2	D	33	210.7	
15	110.9		34	218.1	
16	114.8		35	225.7	
17	118.8	E	36	233.6	
18	123.0		37	241.8	
19	127.3	F	38	250.3	
∅		Carrier Squelch			

Note: Carrier Squelch (∅) disables Interference Eliminator Codes. This allows you to monitor all activity on the channel you are using.

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Care and Safety

To clean the radio, wipe with a soft cloth dampened with water. Don't use cleaners or solvents on the radio, they can harm the body and leak inside, causing permanent damage. Battery contacts may be wiped with a dry, lint-free cloth.

If the radio gets wet, turn it off and remove batteries immediately. Dry battery compartment with a soft cloth to minimize potential water damage. Leave cover off the battery compartment overnight or until completely dry. Do not use the radio until completely dry.

Exposure to Radio Frequency Energy

The design of your Motorola two-way radio, which generates radio frequency (RF) electromagnetic energy (EME), complies with the following national and international standards and guidelines.

The Relevant Guidelines and Standards Are:

- FCC Report and Order FCC 96-326 (August, 1996)
- American National Standards Institute (C95-1 - 1992)
- National Council on Radiation Protection and Measurements (NCRP - 1986)
- International Commission on Non-Ionizing Radiation Protection (ICNRP - 1986)

To assure optimal radio performance and to ensure that exposure to RF energy is within the guidelines in the above standards, the following operating procedures should be observed:

FOR PORTABLE TWO-WAY RADIOS

- When transmitting with a portable radio, hold radio in a vertical position with its microphone 1 to 2 inches (2.5 to 5.0 cm) away from your mouth. Keep antenna at least 1 inch (2.5 cm) from your head and body.
- If you wear a portable radio on your body, ensure that the antenna is at least one inch(2.5 cm) from your body when transmitting.

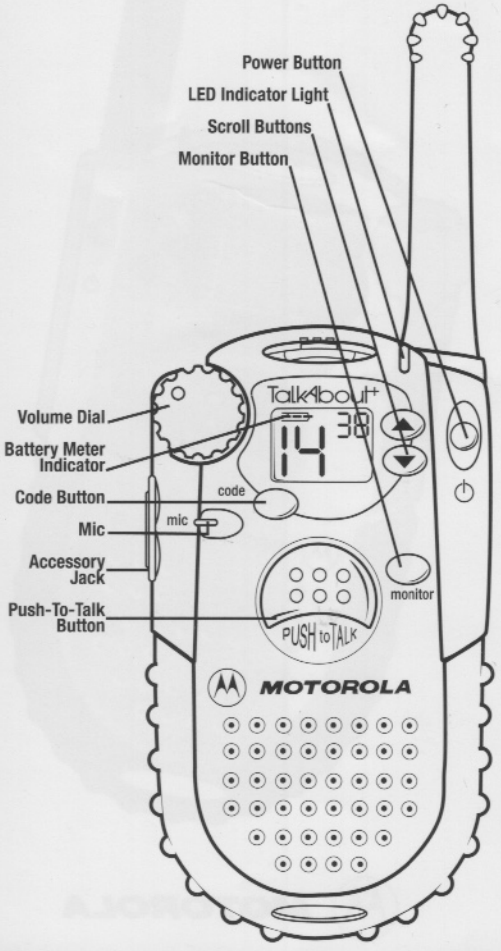
ELECTROMAGNETIC INTERFERENCE/COMPATIBILITY

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

- Turn your radio OFF in any facilities where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.
- Turn your radio off when on board aircraft when instructed to do so. Any use of the radio must be in accordance with airline regulations or crew instructions.

Let's Talk About Your New Radio

Motorola TalkAbout™ radios operate on Family Radio Service (FRS) designated frequencies. This license-free, short range, two-way radio service was established specifically for family and individual recreational use. You can use your radios anywhere within the United States and other areas listed by the FCC. Contact the FCC for more information.



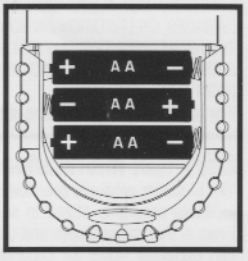
Batteries

TalkAbout radios operate with 3 AA alkaline batteries providing approximately 30 hours of use. That's about 3 hours of talk and 27 hours of standby time.

To Install:

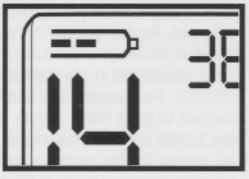
1. Firmly pull battery cover (radio back) down to remove.
2. Insert 3 AA batteries.
3. Replace the battery cover and push up until secure.

Low Battery Alert:



When batteries are low, the radio will chirp 1 to 2 seconds after turning power on, every 10 minutes, and after release of the Push-To-Talk button. Replace the batteries immediately to avoid interrupted use.

Battery Meter Indicator:



The Battery Meter, located on LCD, is divided into three bars. Each bar represents one third of the battery life. As power is used, the bars will disappear. THE METER WILL ONLY WORK ACCURATELY WITH ALKALINE BATTERIES.

Note: Remove batteries before storing your radio for extended periods. Batteries corrode over time and may cause permanent damage to your radio.

Belt Clip

TalkAbout radios come standard with a belt clip.

To Attach:

1. Locate the top opening on the radio back.
2. Insert the belt clip and push down until it clicks into place.
3. To remove, carefully, but firmly, pull the belt clip out of radio.

Before You Can Talk

Read this manual carefully, make sure you know how to properly operate the radio before use.

TalkAbout radios have 14 channels and 38 Interference Eliminator Codes. To talk to others, all radios in your group must be set to the same channel and code (see charts on back cover).

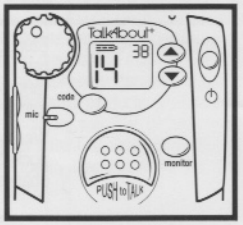
Interference Eliminator Code:

Codes filter out static, noise and unwanted messages on radio channels. You can only communicate with radios using the same channel and code. Since radio channels can be monitored, this will not make your conversations private. To avoid congested channels, change the radios channel/code setting.

Turn The Radio On:

1. Hold orange Power button down, radio beeps and LED Indicator Light flashes every 3 seconds to indicate radio is on.
2. To turn radio off, hold down Power button.The radio will beep to confirm.

Set The Channel And Code:



1. Current channel is the large number on the LCD.
2. Use Scroll buttons to set new channel.
3. Press Code button, current code (small number) will flash and radio beeps to indicate code change mode.
4. Use Scroll buttons to select a new code while number is flashing.
5. Press Code button to save new code, radio beeps to confirm and is ready to use.

Note:

- To talk to other radios that do not have Interference Eliminator Codes, set your code to 0.
- Radio automatically saves new code after 3 seconds.
- Channels/codes that have two digit numbers (10-38) will be announced as "one zero"..."one one"... etc.

To Communicate

Monitor Button:

The Monitor button is used to check activity on current channel before transmitting. It also lets you hear the radio's volume level when you're not receiving so you can adjust the volume.

Adjust The Volume:

Hold Monitor button down while rotating Volume Dial until you reach a comfortable listening level. Rotate dial clockwise to increase and counter clockwise to decrease volume.

Sending Messages:

1. Check channel activity by pressing Monitor button, you'll hear static if the channel is clear to use. Don't transmit if someone's talking on the channel.
2. To maximize clarity, hold radio 1 to 2 inches from mouth. Press Push-To-Talk button and speak into radio. The LED Indicator Light glows continuously when transmitting.
3. To receive messages, release the Push-To-Talk button.

Time-out Timer:

The Time-out Timer feature helps extend battery life. The radio will emit a warning tone if the Push-To-Talk button is pressed for 60 continuous seconds and will stop transmitting.

To Check Channel And Code:

To check channel and code, make sure radio is off. Hold Power button down for 2 seconds, radio announces current settings.

Use Of Audio Accessories:

When using audio accessories (sold separately) with your radio, we recommend that the volume level be kept at a comfortable listening level. Before you place the accessory on your head or in your ear, turn the volume down.

To Adjust Volume:

1. Make sure your radio is turned off before plugging audio accessories into the radio accessory jack.
2. Turn volume down (counter clockwise) before placing accessory on head or in ear. Turn radio on.
3. Hold the Monitor button down while rotating the Volume Dial until you reach a comfortable listening level.

Radio Etiquette

Your radio's 14 channels are shared on a "take turns" basis. This means other groups may be talking on the channels. For uninterrupted communications, follow the steps below:

1. Use the Monitor button to check activity on the channel before talking.
2. Don't talk over someone who is already using the channel – your message may not be completely heard. Try changing the Channel and Interference Eliminator Code to avoid channel congestion.

Note: Since the channels are shared, your conversations will not be private and you may hear others talking.

Talk Range

TalkAbout radios have been designed to maximize performance and improve transmission range in the field. It is recommended that you do not use the radios closer than 5 feet apart because of heavy interference.

Talk range depends on the terrain. These are line of sight radios and talk range will be affected by concrete structures, heavy foliage and operating radios indoors and in vehicles.

Optimal Range
Talk range in flat, open areas, up to 2 miles.

Medium Range
Range is decreased when buildings and trees are in the way.

Minimal Range
Dense foliage and mountains can limit range.

Accessories

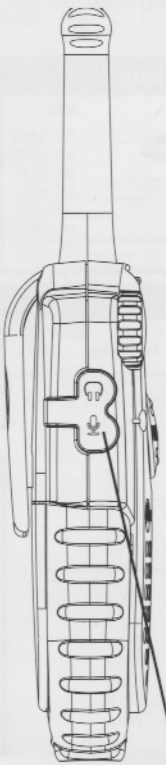
There are many audio and carrying accessories (sold separately) available for TalkAbout radios. Receive incoming messages in privacy with an Earbud or Flexible Ear Receiver.

Whether it's an Arm Pack, Belt Case, Fanny Pack, Shoulder Pack or Waterproof Bag, Motorola has a great carrying case for you! For information contact place of purchase or call Motorola at

1-800-353-2729

Hands-Free Use

TalkAbout radios have built-in Voice Activated Transmission (VOX) capability. This means the sound of your voice activates transmission when the radio is used with a Headset With Swivel Boom Mic or Earbud With Inline Mic (models 50226/50256, sold separately).



To Use VOX Feature:

1. Make sure the radio is off.
2. Open accessory jack cover and plug the accessory's connector into jack.
3. Turn radio on and lower volume before placing accessory on head or in ear.
4. Press Monitor button while rotating Volume Dial to adjust volume to a comfortable listening level.
5. To transmit, speak into accessory microphone, to receive, stop talking.

Note: There will be a brief delay between when you start or stop talking and radio transmission.

Reset To Push-To-Talk Mode:

1. Press Push-To-Talk button once.
2. To transmit, press Push-To-Talk button on radio. To receive, release the Push-To-Talk.
3. To return to VOX mode, turn the radio off, then on again.

Note: The accessory jack cover is not detachable and should be closed when not in use.